

PLANNING WORKSHOP

STRATEGIC WATER RESOURCES PLANNING STUDY

Prepared for
Lone Star Groundwater Conservation District



by
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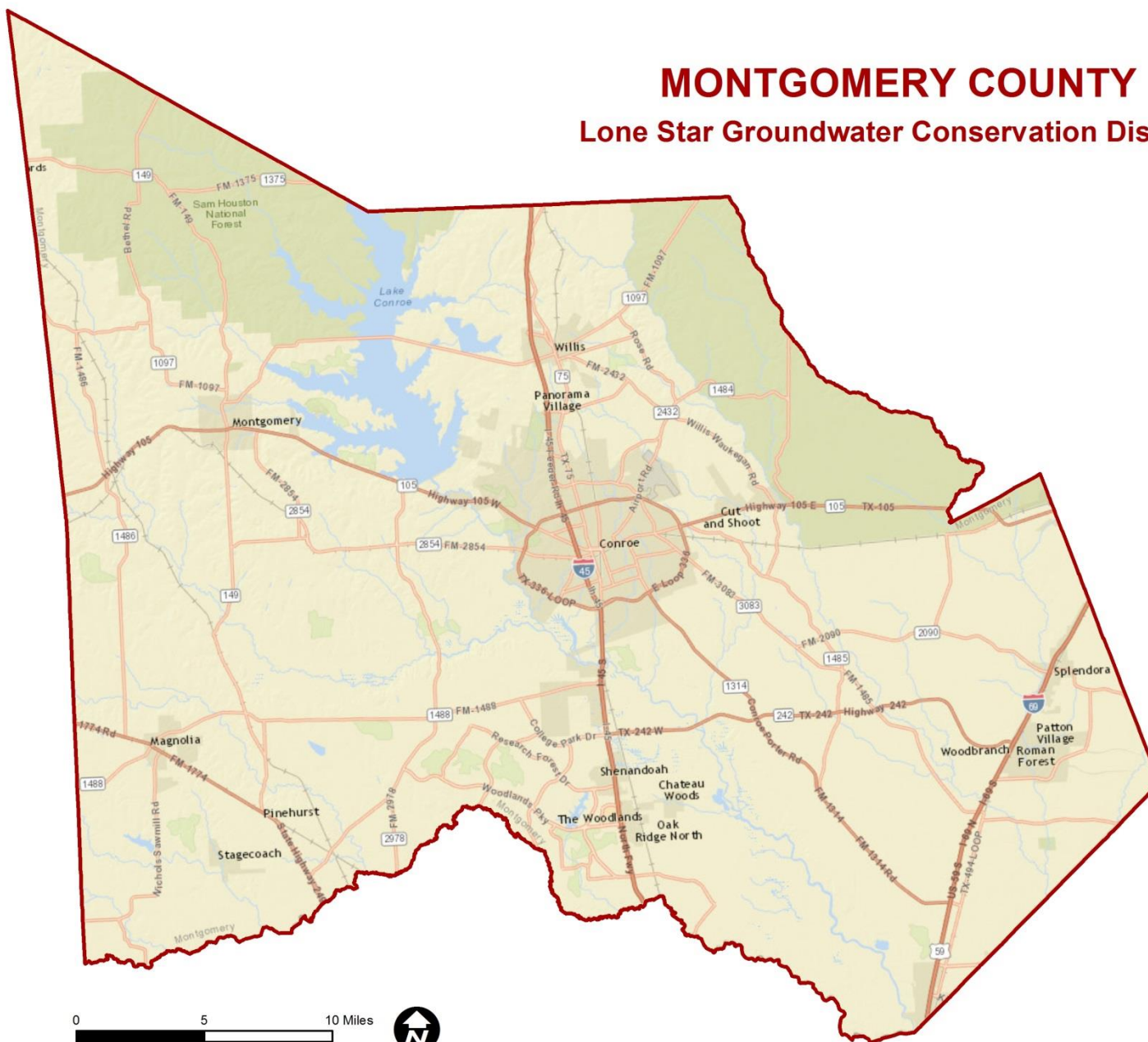


Project Objectives

- **Task 0** - Maintain stakeholder communications and input.
- **Task I** - Assess current aquifer water levels and the potential effects of the initial conversion to Alternative Water Supplies in 2016.
Provide recommendations for changes/additions to water level monitoring program and groundwater pumping inventory efforts.
- **Task II** - Review Total Estimated Recoverable Storage (TERS) data from the TWDB and possible implications for groundwater management.

Project Objectives (continued)

- **Task III** - Conduct evaluation of potential opportunities for additional groundwater development in various areas of the district while ensuring long-term viability of the aquifers.



Planning Study Status

- **Task 0 – Project Communications**

- Kick-Off meeting held and scheduling at least quarterly meetings
- Will provide opportunities for stakeholder input at status meetings and review of draft reports

- **Task 1 – Groundwater Production and Monitoring Assessment**

Data collection and evaluation in progress.

- Groundwater production and well water-level data
- Evaluation of areal coverage of monitoring wells, available water-level data and groundwater production data

Planning Study Status (continued)

- **Task I – Groundwater Production and Monitoring Assessment (continued)**
 - Review of impacts of pumping reductions in north Harris County on aquifers in that area
- **Task II – Review of Aquifer Total Estimated Recoverable Storage published by the Texas Water Development Board**
 - Initiated review of procedures and data sources used in TERS estimates
 - Estimating areas of Chicot, Evangeline, Jasper and Catahoula aquifers with fresh and brackish groundwater

Planning Study Status (continued)

- **Task III – Future Groundwater Availability**
 - Evaluate potential groundwater availability from Chicot, Evangeline, Jasper and Catahoula aquifers in areas outside currently heavily pumped areas with substantial artesian head declines
 - Give consideration to population and water demand projections in future adopted Region H Regional Water Plan

Task III Schedule

- Final task of planning effort
- Initiated following completion of Tasks I and II

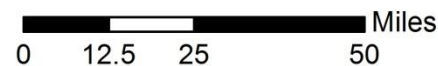
Planning Study Status (continued)

Task III Schedule (continued)

- Results of effort will be available for next round of joint planning in both Region H and Groundwater Management Area 14
- Results will assist Region H planning as available surface water and groundwater supplies are evaluated to satisfy future estimates of water demand
- Results will assist regarding groundwater supplies available within GMA 14 for next water planning cycle beginning in 2017

Region H

GMA 14



Project Schedule

Task Description	Time Frame
0 Project Communications	Duration of Project
1 Groundwater Production and Monitoring Assessment	Months 1 – 8
2 Review of TWDB Total Estimated Recoverable Storage	Months 1 – 8
3 Future Groundwater Availability	Months 9 – 21

A photograph of a long, straight dirt road stretching from the foreground into the distance. The road is flanked by dark, silhouetted bushes and trees. In the background, a bright sunset or sunrise is visible, with a golden glow on the horizon and scattered clouds catching the low light. The sky above is filled with darker, more dramatic clouds.

Questions?

Thank you!